

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
10 July 2003 (10.07.2003)

PCT

(10) International Publication Number
WO 03/055544 A1

(51) International Patent Classification⁷: A61M 1/16,
G01K 13/02, 1/14

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(21) International Application Number: PCT/IB02/05572
(22) International Filing Date:
20 December 2002 (20.12.2002)

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(25) Filing Language: English

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(26) Publication Language: English

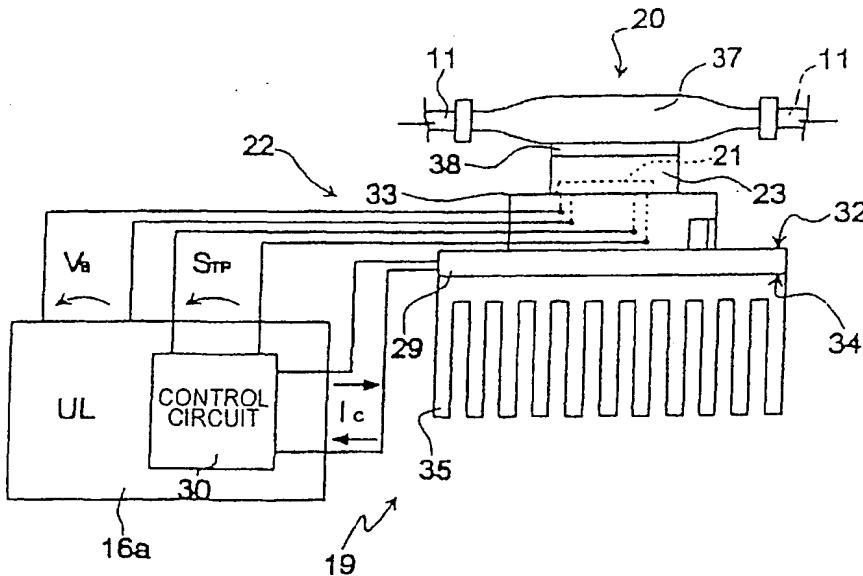
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK,

(30) Priority Data:
MI01A002828 28 December 2001 (28.12.2001) IT

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(54) Title: NON-INVASIVE DEVICE FOR MEASURING BLOOD TEMPERATURE IN A CIRCUIT FOR THE EXTRACORPOREAL CIRCULATION OF BLOOD, AND EQUIPMENT PROVIDED WITH THIS DEVICE



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(57) Abstract: A non-invasive device (16) for measuring blood temperature in a circuit for the extracorporeal circulation of blood includes a line (20) in which blood taken from a patient flows (P), and a temperature sensor (19), connected to the said line (20) and provided with a device (21) for measuring the intensity of an electromagnetic radiation. The measuring device (21) faces a connecting portion or window (37) of the line (20) which is permeable by electromagnetic radiation in a first wave band (B_1), and generates a first signal (V_B), correlated with the electromagnetic radiation in the first band (B_1) and therefore, with the temperature of the blood flowing in the line (20).